

## **PREDRILLING SITE REVIEWS AND PERMITTING**

(Local Health Department Activities)

A **Predrilling Site Review** is the proactive phase of the well permitting process that assesses the proposed water well drilling site, **before** drilling is started, to determine if:

1. There is a likely potential to encounter a water quality or quantity problem.
2. The water well site is near a known potential source of ground water contamination.
3. An "institutional control" established under Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act (NREPA), 1994 PA 451, is in effect in the vicinity of the water well.
4. Plat restrictions or restrictive covenants addressing minimum water well depth or other water well construction features are in place.
5. The water well location complies with minimum isolation distance requirements as specified in the State Well Code.
6. The water well will be accessible for maintenance.
7. The proposed water well will be constructed by a registered Contractor (or the property owner).

**Office Predrilling Site Review** consists of, but is not limited to, a review of the following factors:

1. A detailed site plan showing the location of the proposed water well, distances from the water well to contamination sources (e.g. septic systems, sewer lines, fuel or chemical storage tanks, animal feedlots, pesticide application areas, etc.), buildings, roadways, and property lines. Sources of contamination on adjacent parcels, if known, must be included. A sample detailed site plan is found in Section 10 of this manual.
2. Deed restrictions or restrictive covenants.
3. Water well records.
4. Land use limitations such as institutional controls.
5. Contaminant source inventories.
6. Hydrogeological studies (if submitted by the permit applicant).

**Field Predrilling Site Review** consists of the same components as an **Office Predrilling Site Review**, except that an on-site assessment of the proposed water well site is made to verify the site plan details.

## ***FIELD PREDRILLING SITE REVIEW CHECKLIST***

Owner \_\_\_\_\_ Site Address \_\_\_\_\_

Permit Number \_\_\_\_\_

A. Is water well site location information provided on application accurate? ☐ YES ☐ NO

B. Is site sketch accurate? ☐ YES ☐ NO

Check site for:

Proposed well location \_\_\_\_\_ Existing wells \_\_\_\_\_ Existing/proposed building \_\_\_\_\_

Roads and driveways \_\_\_\_\_ Existing/ proposed septic tank/drainfield \_\_\_\_\_ North arrow shown \_\_\_\_\_

Fuel storage tanks \_\_\_\_\_ Sewer lines (sanitary/storm) \_\_\_\_\_ Surface water (lakes, ditches, etc.) \_\_\_\_\_

Septic tank, drainfield, fuel tanks on adjacent property \_\_\_\_\_ Property lines \_\_\_\_\_

C. Are overhead or buried utility lines near proposed water well? ☐ YES ☐ NO

D. Will trees or other obstructions interfere with water well drilling rig setup? ☐ YES ☐ NO

E. Does the site topography allow access for water well drilling rig? ☐ YES ☐ NO

F. Will water well be accessible for maintenance after site development is completed? ☐ YES ☐ NO

G. Proposed water well location approved? ☐ YES ☐ NO

If proposed well location is not approved, is there an acceptable location?

☐ YES ☐ NO

If yes, mark location on site sketch.

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Evaluated By \_\_\_\_\_ Date \_\_\_\_\_

## OFFICE PREDRILLING SITE REVIEW CHECKLIST

Owner \_\_\_\_\_ Site Address \_\_\_\_\_

Permit/Application Number \_\_\_\_\_

### A. Application Review

#### 1. Site sketch - Required information provided? (Checklist)

Proposed well location \_\_\_\_\_ Existing wells \_\_\_\_\_ Existing/proposed building \_\_\_\_\_  
Roads and driveways \_\_\_\_\_ Existing/ proposed septic tank/drainfield \_\_\_\_\_  
North arrow shown \_\_\_\_\_ Fuel storage tanks \_\_\_\_\_ Sewer lines (sanitary/storm) \_\_\_\_\_  
Surface water (lakes, ditches, etc.) \_\_\_\_\_ Septic tank, drainfield, fuel tanks on adjacent  
property \_\_\_\_\_ Property lines \_\_\_\_\_

2. Fee paid? ☐ YES ☐ NO

3. Application signed and dated? ☐ YES ☐ NO

B. Proposed water well location acceptable? ☐ YES ☐ NO

C. Any deviations requested? ☐ YES ☐ NO  
If yes, specify on permit.

D. Existing wells on site? ☐ YES ☐ NO

If yes, will water wells continue in use after construction of  
new well? ☐ YES ☐ NO

(If existing well(s) meet definition of an abandoned well, it must be plugged.  
Plugging must be a permit condition.)

E. Is proposed well in a subdivision? ☐ YES ☐ NO

If yes, any subdivision/deed restrictions relating to well  
construction? ☐ YES ☐ NO

List subdivision/deed restrictions on permit.

F. Has available ground water data (water well records, computerized  
data bases, etc.) been reviewed? ☐ YES ☐ NO

1. Any of the following contamination sources or aquifer concerns  
exist? ☐ YES ☐ NO

Salt Water \_\_\_\_ Hydrogen Sulfide \_\_\_\_ Methane \_\_\_\_ High Iron \_\_\_\_ Arsenic \_\_\_\_ Nitrates

Other \_\_\_\_\_

Known ground water contamination site \_\_\_\_\_ Act 451, Part 201 (Act 307) site \_\_\_\_\_

L.U.S.T. \_\_\_\_\_ Other \_\_\_\_\_

Flowing Well Area \_\_\_\_ Unprotected aquifer \_\_\_\_ Fractured (Karst) Limestone \_\_\_\_ Bacteriological \_\_\_\_

Bedrock within 25 ft of surface \_\_\_\_\_ Low Production/dry hole area \_\_\_\_\_

Other \_\_\_\_\_

2. Are special well construction requirements necessary? ☐ YES ☐ NO

Type of special construction requirements \_\_\_\_\_  
\_\_\_\_\_

3. Special sampling necessary? ☐ YES ☐ NO

Type of sampling \_\_\_\_\_

Sampling frequency: Initial sample only \_\_\_\_\_ Monthly \_\_\_\_\_ Quarterly \_\_\_\_\_ Annual \_\_\_\_\_

Other \_\_\_\_\_

Evaluated By: \_\_\_\_\_

Date: \_\_\_\_\_